

# ROBERTS

## ENVIRONMENTAL SERVICES, LLC

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## FIELD BORING LOG

CLIENT:

LOCATION: Riverside Tool

PURPOSE:

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PROJ. NO.:  
DATE: 11-10-11

BORING NO.	SAMPLE DEPTH (ft)	SAMPLE TIME	% RECOV.	LAB	Analysis	FID (ppm)	DEPTH (ft)		SOIL DESCRIPTION	
							FROM	TO	FROM	TO
MW-12	0-2	11:15	10		VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	0.0	0	0.5	Topsoil Same D/B	
	2-5	11:16	90		VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	0.1	0.5	3.5	3.1" Hy. Sand S.s.m. Ac. 3%	
5-9	11:18	90			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	0.7	3.5	6.5	Same FS/AS ± 70%FS no rehyd. 3.1" 10% C-E.S. Ac.e. & 3.2%	
9-10	11:19	90			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	3.4				
10-12	11:25	80			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	1.6	6.5	7.5	<5 ± 30% mineralistic to Trace Calc. 1.4%	
12-15	11:26	80			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	1.0	3.5	15	C3S/C ± 10% sand 30% silt 45% gravel 10' + 15'	
15-19	11:32	80			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	1.1			± 10%FS silty sand 30% silt 45% gravel 10' + 15'	
17-20	11:33	80			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	1.8	15	19	± 10%FS silty sand 30% silt 45% gravel 10' + 15'	
20-22	11:41	80			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	3.2	19	30	± 10% sand 20% silt 30% gravel 10' + 15'	
22-25	11:42	80			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	6.5			Same ls. gravel.	
25-27	11:51	40			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	1.9	20.5	23.5	<5-20% AS: 45% FS/AS Trace gravel	
27-30	11:52	40			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	2.7	23.5	35	C3S/C ± 30% sand 10% gravel 2% FS/AS AS 10% C3S/C ± 28.5-31.5% Trace gravel 7.8-28.5%	
30-32	12:00	40			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	2.9			Change to s.s. 30% 30% C3S/C 32-35.5% After 33.5 ± 30% s.s. gravel	
32-35	12:01	40			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	1.7				
35-37	12:14	60			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	1.7	35	38	± 60%FS sand 30% s.s. 10% clay & sand gray & 35%	
37-40	12:15	60			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	4.3	38	41	<30% 40% AS 30%FS Trace gravel gray	
40-42	12:30	60			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	2.6			± 30% clay w/ sand gray & 39%	
42-45	12:31	60			VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles	3.1	41	45	± 20%FS 20% AS Trace C.S. Gray.	
					VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles				Some gravel c tip 45%.	
21-26					VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles				35-40 3-13	
MW-13					VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles				MW-13 8.5 1.5	
					VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles				MW-140 8.5 1.5	
					VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles					
					VOCs, ERO, GRO, PAHs, SVOCs, METALS Bottles					

11-28-11

$\approx$  10 AM install MW-1255 @ depth of 7.0'. SWL  $\approx$  5.0'-5.5'.

Develop  $\approx$  2.3 gal 10:30-10:40 AM clear

Install MW-1155  $\approx$  5' east of MW-11 cluster  $\approx$  11:15 AM to  $\approx$  7.15' deep

Develop  $\approx$  2 gal  $\approx$  11:30-11:45 until clear